

Translation

PATENT COOPERATION TREATY

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PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference CZ03-020	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/004610	International filing date (day/month/year) 11 April 2003 (11.04.2003)	Priority date (day/month/year) 12 April 2002 (12.04.2002)
International Patent Classification (IPC) or national classification and IPC G09G 3/36, G02F 1/133		
Applicant CITIZEN WATCH CO., LTD.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 8 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 11 November 2003 (11.11.2003)	Date of completion of this report 16 February 2004 (16.02.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/004610

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
pages 1-7,9-26,29-55, as originally filed
pages _____, filed with the demand
pages 8,8/1,27,28, filed with the letter of 05 February 2004 (05.02.2004)
- ☒ the claims:
pages 2-5,7-11, as originally filed
pages _____, as amended (together with any statement under Article 19
pages _____, filed with the demand
pages 1,6,12, filed with the letter of 05 February 2004 (05.02.2004)
- ☒ the drawings:
pages 1-21, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/JP03/04610**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	1-12	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-12	NO
Industrial applicability (IA)	Claims	1-12	YES
	Claims		NO

2. Citations and explanations

- Document 1: JP, 2000-338513, A (Casio Computer Co., Ltd.), December 8, 2000 (12.08.00)
Document 2: JP, 2001-255850, A (Matsushita Electric Industrial Co., Ltd.), September 21, 2001 (09.21.01)
Document 3: JP, 11-101967, A (Toshiba Corporation), April 13, 1999 (04.13.99)
Document 4: JP, 61-67095, A (Nippon Telegraph and Telephone Corporation), April 7, 1986 (04.07.86)
Document 5: JP, 7-56544, A (Fujitsu Limited), March 3, 1995 (03.03.95)

The inventions of claims 1-5 do not appear to involve an inventive step based on document 1 cited in the ISR. Document 1 (paragraph 15) describes that a data display part 3 can be active type. In the active type, a single common electrode is usually used for a plural of picture electrodes; therefore, a party skilled in the art could easily conceive of using a common electrode for an icon display part in the device having a matrix area and an icon display part of document 1 (if needed, see JP, 2001-184000, A (Sanyo Electric co., Ltd.), July 6, 2001 (07.06.01), Figs. 1 and 2). Displaying a moving image on an active matrix display device is something that is normally carried out. Changing signals to a data side electrode in response to a polarity of a common electrode in a liquid crystal display device is a common technical matter. Making a single integrated circuit from a plural of circuits is a common art to a party skilled in the art. Adjusting voltage so that there will be no more DC component in a liquid crystal display device is a matter of course.

The inventions of claims 6-8, 11 and 12 do not appear to involve an inventive step based on document 2 cited in the ISR. Document 2 (paragraph 17) states that a display part 20 is an active matrix liquid crystal panel, that remaining battery power and received information are displayed on first display areas 12 and 21 and that a scan line G1 of Fig. 1 is provided. As described in Figs. 1 and 8, the counter electrode 18 of a first display area 12 and second display area 13 is a common electrode. Whether to have a first display area common with a scan line or common with a signal line is a matter of design to a party skilled in the art (if needed, see JP, 2-244880, A (Hitachi Ltd.), September 28, 1990 (09.28.90), Figs. 7 and 8 etc.). Having a plurality of circuits on a single integrated circuit is a common art to a party skilled in the art.

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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of Box V. 2:

The inventions of claims 9 and 10 do not appear to involve an inventive step based on document 2, document 3 (paragraph 144) cited in the ISR, Fig. 44, document 4 (page 2, lower right column, line 1 to page 3, upper right column, line 9) and document 5 (paragraphs 18-23 and 30-32 and Figs. 1-4).